



AMENDMENT

In the claims.

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TECHNOLOGY CENTER R3700

A. Please cancel claims 1-80.

B. Please add the following new claims:

81. [New] An apparatus for delivering voltage pulses to tissue so as to establish an electric field sufficient to assist the introduction of a therapeutic agent into a cell of a tissue, wherein the apparatus comprises:

- a) a support member having disposed thereon (one) or more opposing pairs of electrodes arranged relative to one another to form an electrode array; and
- b) a power supply in electrical communication with the pair(s) of electrodes disposed in the support member, wherein the power supply provides voltage pulses to at least a pair of the electrodes to effect electroporation.

82. [New] The apparatus according to claim 81, wherein said apparatus is configured to be hand-held.

83. [New] The apparatus according to claim 81, wherein said apparatus is further configured to include an electrically conductive cover.

84. [New] The apparatus according to claim 81, wherein said electrodes are attached to said support member and are additionally, operatively connected to a pulse generator.

85. [New] The apparatus according to claim 84, wherein said pulse generator is not contained within said support member.

86. [New] The apparatus according to claim 81, wherein said electrodes are detachable from said support member.

87. [New] The apparatus according to claim 81, wherein said apparatus is configured to comprise a reservoir for a therapeutic agent.

88. [New] The apparatus according to claim 87, wherein said reservoir comprises a porous reservoir.

89. [New] The apparatus according to claim 81, wherein said electrode comprises a porous reservoir for said therapeutic agent.

90. [New] The apparatus according to claim 83, wherein said electrode cover is absorbent.

91. [New] The apparatus according to claim 86, further comprising a detachable electrode

mounting bracket.

92. [New] The apparatus according to claim 91, wherein said detachable electrode mounting bracket has said electrode detachably adhered thereto.

93. [New] The apparatus according to claim 92, wherein said electrode mounting bracket is square, round, contoured, or tube shaped.

94. [New] The apparatus according to claim 93, wherein said tube shaped electrode mounting bracket has a central core comprising an axle, about which said electrode mounting bracket is rotatable.

95. [New] The apparatus according to claim 90, wherein said electrode comprises an adhesive layer for attachment of said electrode to said electrode mounting bracket.

96. [New] The apparatus according to claim 81, wherein said electrode is disposable.

97. [New] The apparatus according to claim 81, wherein said electrodes are a meander type electrode or a micropatch electrode.

98. [New] The apparatus according to claim 97, wherein said meander type electrode comprise an interweaving array of electrically conductive electrode fingers coated on a thin film.

99. [New] The apparatus according to claim 81 and 98, wherein said electrodes have a width of about 2 mm.

100. [New] The apparatus according to claim 81 and 99, wherein said electrodes are separated by a gap of about 0.2 mm.

101. [New] The apparatus according to claim 81, wherein said pulse generator is powered by a battery, optionally contained within said support member.

102. [New] The apparatus according to claim 81, wherein a portion of said support member is electrically conductive.

103. [New] The apparatus according to claim 102, wherein said electrically conductive portion of said support member functions as a return conductor for said electrode when a conductive material is disposed between said electrode and said electrically conductive portion of said support member.

104. [New] The apparatus according to claim 81, further comprising an injection means.

105. [New] The apparatus according to claim 104, wherein said injection means comprises a hollow needle, in fluid communication with a reservoir for said therapeutic agent.

106. [New] The apparatus according to to claim 81, further comprising a vibrating unit.
107. [New] The apparatus according to claim 81, further comprising a phonophoresis unit.
108. [New] The apparatus according to claim 81, further comprising a pressure sensor unit.
109. [New] The apparatus according to claim 81, further comprising a unit to measure and record the skin resistance of the subject.
110. [New] The apparatus according to claim 81, wherein the apparatus is modified to be a tableheld apparatus.
111. [New] The apparatus according to claim 81, further comprising a means for applying iontophoresis.
112. [New] The apparatus according to claim 111, wherein said means further comprises a switching unit to allow for switching between electroporation and iontophoresis.
113. [New] The apparatus according to claim 106, wherein said vibrating unit applies ultrasound.
114. [New] The apparatus according to claim 81, wherein said pulses are electrical impulses.
115. [New] The apparatus according to claim 114, wherein said pulses are selected from the group consisting of unipolar, bipolar, exponential and square wave forms.
116. [New] The apparatus according to claim 97, wherein said meander electrode is insulated or porous.
117. [New] The apparatus according to claim 81, wherein said electrodes are selected from the group consisting of wire, porous, and meander electrodes.
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